

What is claimed is:

1. A machine for removing debris from battery cells, comprising:

- a. a means for holding a battery cell; and
- b. a cutting means comprising at least one blade;

5 wherein when a battery cell is inserted into the means for holding a battery cell, and
the cutting means is actuated, the at least one blade passes across at least one surface
of the battery cell.

2. The machine of claim 1, wherein the cutting means further comprises a leveling means.

3. The machine of claim 2, wherein when a battery cell is inserted into the means for
10 holding a battery cell, the amount of insertion is limited by the leveling means.

4. The machine of claim 1, further comprising a magnet mounted below the cutting means.

5. The machine of claim 1, wherein the means for holding a battery cell comprises a fixed
block and a moveable belt.

6. The machine of claim 5, wherein the moveable belt is spring loaded against the fixed
15 block.

7. The machine of claim 1, further comprising a sliding member coupled to the cutting
means, wherein the sliding member is mounted on rails.

8. The machine of claim 7, wherein the sliding member is coupled to a lever.

9. The machine of claim 8, wherein lever is rotatably connected to the sliding member by
20 way of a gear assembly.

10. The machine of claim 7, further comprising a threaded member coupled to the sliding
member, wherein the threaded member passes through a fixed adjustment stop.

11. The machine of claim 10, further comprising a threaded stop disposed about the threaded
member such that the fixed adjustment stop is disposed between the sliding member and
25 the threaded stop.

12. The machine of claim 11, wherein travel of the cutting means is adjustable by twisting the threaded stop about the threaded member.

13. The machine of claim 1, wherein the cutting means is electrically isolated from the means for holding a battery cell.

5 14. A method of removing debris from a battery cell, the method comprising the steps of:

- a. providing the machine of claim 1;
- b. opening the means for holding a battery cell;
- c. inserting a battery cell into the means of holding a battery cell until one end of the battery cell touches the leveling means;
- 10 d. closing the means for holding a battery cell; and
- e. actuating the cutting means, thereby causing the cutting means to pass along the one end of the battery cell.

15. A machine for removing debris from a battery cell, comprising;

- a. a base member;
- 15 b. a fixed block coupled to the base member, wherein the fixed block includes a recess for holding the battery cell;
- c. a moveable belt that is spring loaded against the fixed block such that the recess and the moveable belt form a closed loop; and
- d. a moveable cutting means comprising at least one blade;
- 20 wherein when the moveable cutting means is moving, the at least one blade travels parallel to the top surface of the leveling means.

16. The machine of claim 15, wherein the moveable cutting means further comprises a leveling means.

17. The machine of claim 15, further comprising a magnet disposed below the cutting means.

18. The machine of claim 15, wherein the cutting means is electrically isolated from the fixed block and the moveable belt.